

## Environmental Health Position *at the* **U.S. Environmental Protection Agency**

We are seeking candidates interested in conducting original research in applied toxicology and risk assessment with an emphasis on policy development. The position is with the Public Health and Environmental Policy Team, within the National Center for Environmental Economics at the U.S. Environmental Protection Agency. Our office conducts original research in environmental health issues that informs policy development at the EPA.

Applicants should have, or will shortly receive, their Ph.D. in toxicology, risk assessment, or biostatistics. Environmental health scientists with several years of experience are also invited to apply. Environmental health scientists who anticipate being on sabbatical are encouraged to apply for a visiting scholar position.

U.S. citizenship is required. The U.S. EPA is an equal opportunity employer. Interested individuals should send a curriculum vitae, writing sample, and names of three references to: Daniel Axelrad, U.S. Environmental Protection Agency, Office of Policy, Economics and Innovation, National Center for Environmental Economics (1809), Washington, DC 20460, [axelrad.daniel@epa.gov](mailto:axelrad.daniel@epa.gov). Applications will be reviewed continuously.

## **Robert S. Kerr Endowed Chair In Environmental Science**

**East Central University** invites applications and nominations for the  
**Robert S. Kerr Endowed Chair in Environmental Science.**

The purpose of the Kerr Chair is twofold: 1) instruction and research in the Department; and 2) leadership in the Department's interaction with the EPA's Subsurface Protection and Remediation Division (SPRD) of the National Risk Management Research Laboratory located in Ada, OK.

The successful candidate will be expected to build a vigorous research program that will enhance and build upon the relationship between the SPRD and ECU. Special consideration will be given to applicants who have established recognized research programs in the areas of bioremediation and ecosystem restoration. Applicants will be expected to assume a faculty position in the EHS Department with a teaching assignment of nine hours per semester. A Ph.D., in an area of Environmental Science or Public Health, is required. Preference will be given to candidates with strong records of teaching, creative and scholarly activity, and service in the general areas of the chair title.

Position is available August 2002. To apply, send a letter of application, statement of your teaching philosophy, résumé, names/addresses/phone numbers of three references, and copies of all graduate and undergraduate transcripts to: Mr. Dale Hayden, Personnel Director, East Central University, Ada, OK 74820. Application review will begin February 1, 2002, and continue until the position is filled. AA/EOE.

## Postdoctoral Positions

Two POSTDOCTORAL POSITIONS are offered to study fundamental mechanisms of oxygen in angiogenesis, cell-to-cell adhesion or free radical production/pathogenesis as well as the clinical effects of hyperbaric oxygen. Individuals with clinical experience who are interested in obtaining research training will receive special consideration. An exceptional opportunity exists for collaborative basic and clinical research as part of an NIH-funded Specialized Center of Research in Hyperbaric Oxygen Therapy. Interested candidates should submit curriculum vitae and names of three references to: Stephen R. Thom, M.D., Ph.D., Institute for Environmental Medicine, University of Pennsylvania, One John Morgan Building, 3620 Hamilton Walk, Philadelphia, PA 19104-6068.

### Contact Person:

Stephen R. Thom, M.D., Ph.D.  
University of Pennsylvania  
Institute for Environmental Medicine  
One John Morgan Building  
3620 Hamilton Walk  
Philadelphia, PA 19104-6068  
Phone: 215.898.9095  
Fax: 215.573.7037

## College of Medicine

Department of C & E Medicine

### University of California, Irvine

Seeking to fill a position for an Assistant Adjunct Professor in the College of Medicine. Candidates must have independent source of funding for support and research and a strong desire to teach in the Graduate Program in Environmental Toxicology. Demonstrated success in publication in reputable journals in the area of neurotoxicology is required. Research area will relate to the adverse effects of aluminum salts upon the nervous system. A record of effective teaching skills is essential, as the successful candidate will be expected to contribute significantly to graduate teaching in neurotoxicology, immunotoxicology and target organ toxicology. Applicants must possess the Ph.D. or M.D. degree, and postdoctoral training in toxicology is preferred. Salary commensurate with experience. Send curriculum vitae and names of three references to Professor Ronald C. Shank, Department of Community and Environmental Medicine, University of California at Irvine, Irvine, CA 92697-1825. The University of California, Irvine is an equal opportunity employer committed to excellence through diversity.

Closing date 3/30/02

## Lung Carcinogenesis and Differentiation

A position is open to study the molecular pathology of lung carcinogenesis with neuroendocrine and peripheral airway cell differentiation. The research involves characterizing novel mouse models with translation to human disease using immunohistochemistry, image analysis, cDNA microarray, laser capture microdissection, and comparative genomic hybridization. Our group is part of the highly interactive NCI community, just minutes north of the main NIH campus and featured under Research, Investigators Index on [www-ccr.nci.nih.gov](http://www-ccr.nci.nih.gov).

Candidates should have strong analytical skills, background in molecular biology, computer skills, and microscopy/digital imaging experience. Applicants must have received a M.D., Ph.D., or D.V.M. within the past 5 years.

To apply, submit a cover letter, curriculum vitae, publication list, and 3 letters of references with contact information to:

Dr. Ilona Linnoila  
Head, Experimental Pathology  
Section  
National Cancer Institute  
9610 Medical Center Drive  
Suite 300  
Rockville, MD 20850 USA

E-mail: [il17h@nih.gov](mailto:il17h@nih.gov)  
Voice: (301) 402-3128 ext. 313  
Fax: (301) 402-4422



**UCLA SCHOOL OF PUBLIC HEALTH**  
**Department Chair**  
**Department of**  
**Environmental Health Sciences**

UCLA is searching for a Chair of its Department of Environmental Health Sciences (<http://www.ph.ucla.edu/ehs/>). The Department includes a range of programs in relevant areas. The MS, MPH, DrPH and PhD degrees are offered in Environmental Health Science. The Department also houses two interdisciplinary graduate programs and six center grants. Opportunities for multidisciplinary collaboration are abundant. Successful candidates must have expertise in a relevant discipline and outstanding research and leadership skills. Appointment level and salary will be determined based on the candidate's experience and qualifications.

Please send a CV and letter of interest no later than April 1, 2002 to:

**Gail G. Harrison, PhD**

Chair, EHS Search Committee

UCLA School of Public Health,

P.O. Box 951772

Los Angeles, CA 90095-1772

Fax: 310-206-3773 Phone: 310-825-3738

E-mail: [gailh@ucla.edu](mailto:gailh@ucla.edu)

**UCLA is an Equal Opportunity/Affirmative Action employer. Women and minorities are encouraged to apply.**

**NIEHS** Laboratory of  
**Molecular Toxicology**

**Synaptic and Developmental Plasticity (HNV02-01)**

Immediate openings for a biochemist/molecular biologist and an electrophysiologist to join a newly established research group that applies biochemical, molecular, and electrophysiological techniques to the study of synaptic plasticity in the adult and developing mammalian cortex. Projects include multidisciplinary studies of visual cortical circuitry, synaptic remodeling during development, and late-phase long-term potentiation and depression in the hippocampus and neocortex. Preference will be given to applicants with strong backgrounds in molecular/cellular biology, biochemistry, histology, or electrophysiology.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Serena M. Dudek, Laboratory of Molecular Toxicology, MD F2-04, 919-541-3275, fax: 919-541-4634, e-mail: [dudek@niehs.nih.gov](mailto:dudek@niehs.nih.gov)

**NIEHS** Laboratory of  
**Molecular Carcinogenesis**

**Molecular Epidemiology of DNA Repair Genotype, Phenotype, and Mutation in Cancer (HNV02-03)**

A Molecular Biology Fellowship position is available to investigate the role of human variation in DNA repair on cancer risk. Studies will examine the correlation between DNA repair phenotype, repair gene polymorphisms, and mutation frequency in preneoplastic and normal tissue. Research will focus on applying phenotypic measures of DNA repair capacity in specimens from epidemiologic studies of cancer patients and controls. A large collection of well characterized biological samples is available with detailed genotypic information. Experience with Comet, Host Cell Reactivation, Chromosomal Break, or other measures of DNA repair is desirable. This position features opportunities for interdisciplinary training in the rapidly expanding field of molecular epidemiology. Excellent resources, equipment, supplies, and opportunities for training and development are available.

Applicants must have a Ph.D. and/or M.D. or equivalent degree in molecular biology, cell biology, biochemistry, genetics, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Jack A. Taylor, Laboratory of Molecular Carcinogenesis, MD A3-05, 919-541-4631, fax: 919-541-2511, e-mail: [taylor@niehs.nih.gov](mailto:taylor@niehs.nih.gov)

**NIEHS** Eicosanoid Biochemistry Section

**Eicosanoid Biochemistry Section (HNV02-04)**

The Eicosanoid Biochemistry Section has a postdoctoral position available to delineate the mechanisms responsible for the anticarcinogenic activity of NSAIDs (COX inhibitors) and carcinogenesis associated with aberrant expression of COX and lipoygenase. Emphasis is placed on alternation in gene expression by COX inhibitors as measured by microarray and differential expression and the use of transgenic mice that express either COX-2 or the antitumorigenic protein NAG-1 (Mol Pharm 59:901 [2001]).

Applicants must have a Ph.D. in molecular biology, cell biology, biochemistry, toxicology, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Thomas Eling, Eicosanoid Biochemistry Section, MD E4-09, 919-541-3911, fax: 919-541-0146, e-mail: [eling@niehs.nih.gov](mailto:eling@niehs.nih.gov)

**NIEHS** Laboratory of  
**Signal Transduction**

**Signal Transduction by Inositol Phosphates (HNV01-21)**

A position is available for a molecular biologist with experience in cell culture and a particular interest in transgenics. Experience with viral transfection systems is a plus. As well as furthering our understanding of the roles of inositol phosphate phosphatases in cell biology, transgenic animals with altered expression of these enzymes have commercial potential. The successful candidate will participate in a collaborative effort between Dr. Steve Shears at the NIEHS and Dr. Jim Petitte at NC State.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: [shears@niehs.nih.gov](mailto:shears@niehs.nih.gov)

**NIEHS** Laboratory of  
**Molecular Genetics**

**Telomeric Chromatin Structure (HNV02-06)**

Two postdoctoral positions are available to investigate chromatin structure at *Drosophila* telomeres. Studies will examine nucleosome modification and positioning using mutations that specifically relieve telomeric silencing, as well as interactions of proteins encoded by genes identified by these mutations. Candidates should have a broad and deep knowledge of molecular biology with an emphasis on protein biochemistry and/or chromatin structure. Knowledge of *Drosophila* genetics will also be advantageous.

Applicants must have a Ph.D. and/or M.D. or equivalent and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** James M. Mason, Laboratory of Molecular Genetics, MD D3-06, 919-541-4483, fax: 919-541-7593, e-mail: [masonj@niehs.nih.gov](mailto:masonj@niehs.nih.gov)

**Advertising Information and Rates**

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Online: [www.ehpjournal.com](http://www.ehpjournal.com)

# Manager, ESR Spectroscopy

## University of Washington—Center for Ecogenetics and Environmental Health

The NIEHS Center for Ecogenetics and Environmental Health (CEEH) at the University of Washington seeks candidates for the position of Manager, Electron Spin Resonance (ESR) Spectroscopy Core Facility, to coordinate research activities among CEEH investigators in the use of ESR to evaluate the role of free radicals in environmental toxicity and disease processes. Applicants should have a doctoral degree in chemistry, biology, or related discipline with at least one year (or master's degree with three years) of direct experience with ESR spectroscopy in biomedical applications, including the use of ESR to measure free radical production in biological tissues/media, ability to analyze and interpret ESR data, and ability to work with other scientists in the use of ESR in their own research projects. Salary is commensurate with education and experience. To apply for this position, please submit a curriculum vitae and a description of experience with ESR in biomedical research applications to: Ms. Lynn Fritzen, Department of Environmental Health, University of Washington, 4225 Roosevelt Way NE, Suite 100, Seattle, WA 98105. Please reference Position #PL14398. The University of Washington is an equal opportunity/affirmative action employer. Additional information regarding this position may be found at <http://www.washington.edu/admin/employment/2001archive/10-2001archive/PL14398.html>.

### NIEHS Laboratory of Signal Transduction

#### Signal Transduction by Inositol Phosphates (HNV01-20)

This laboratory is recruiting an individual with experience in the area of biochemistry, molecular biology or electrophysiology. The successful applicant will join a productive research team that applies these various areas of technical expertise to the study of signal transduction by inositol phosphates. See <http://dir.niehs.nih.gov/dirlist/shears.htm> for details of the laboratory's recent achievements.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: [shears@niehs.nih.gov](mailto:shears@niehs.nih.gov)

### NIEHS Laboratory of Experimental Pathology

#### Molecular Pathology (HNV00-20)

The focus of our laboratory is to extend the evaluation of environmental chemicals in rodent models from the cellular to the molecular level for both noncancer and cancer end points. The basis for this research is to provide a mechanistic understanding of the toxicologic or carcinogenic response in rodents and to provide a biologically based interpretation of its relevance to humans, and where applicable incorporate animal models of human disease. In noncancer research, our laboratory focuses on mechanisms of neuropathology and atherosclerosis, and in cancer research the focus is on mutations of oncogenes and tumor suppressor genes in rodent and human tumors. We are interested in a molecular biologist/toxicologist/pathologist with a background in medical sciences and with experience in PCR, RNA, and DNA analysis (other molecular techniques are desirable, as well). Excellent resources, numerous rodent samples, and opportunities for collaboration are available.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Robert C. Sills, Laboratory of Experimental Pathology, MD A3-06, 919-541-0180, fax: 919-541-4714, e-mail: [sills@niehs.nih.gov](mailto:sills@niehs.nih.gov)

### NIEHS Laboratory of Molecular Carcinogenesis

#### Molecular Toxicology and Carcinogenesis (HNV00-23)

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required.

Applicants must have a Ph.D. and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

**Contact:** Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: [devereux@niehs.nih.gov](mailto:devereux@niehs.nih.gov)